FIG. 1

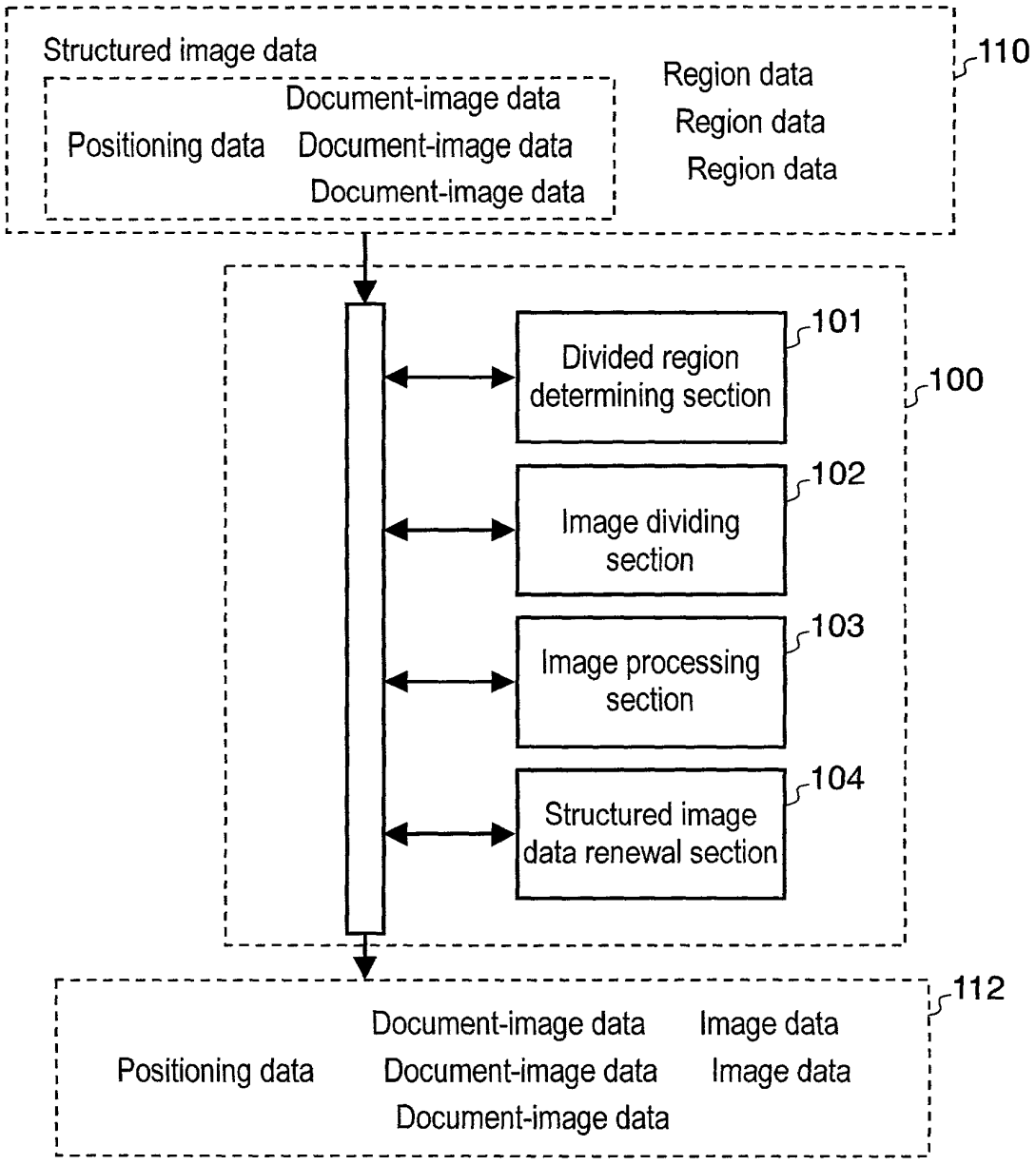

Structured image data
Positioning data
Document-image data
Document-image data
Document-image data
Region data
Region data
Region data
110
101
Divided region determining section
102
Image dividing section
103
Image processing section
104
Structured image data renewal section
100
112
Positioning data
Document-image data
Document-image data
Document-image data
Image data
Image data

FIG. 2

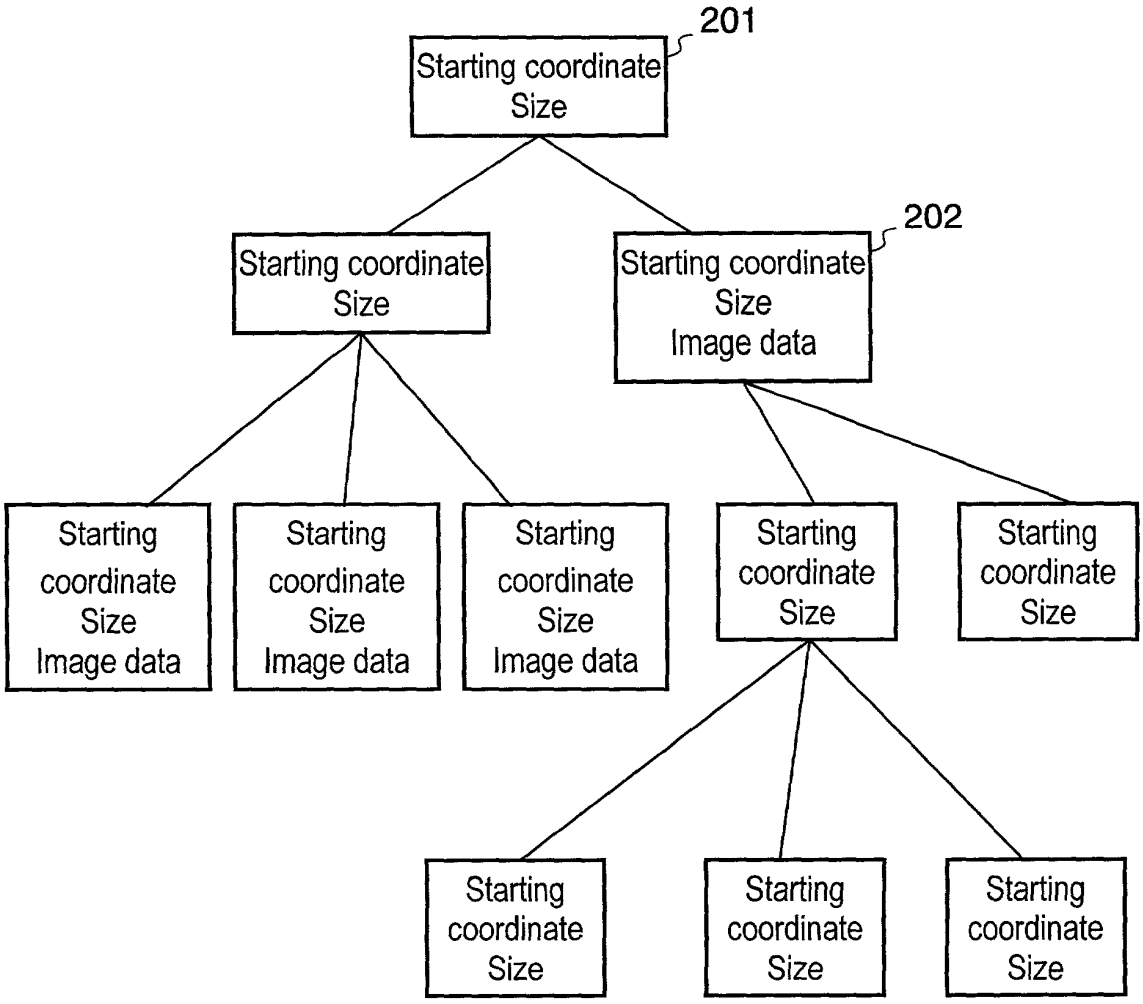

201
Starting coordinate
Size
Starting coordinate
Size
202
Starting coordinate
Size
Image data
Starting
coordinate
Size
Image data
Starting
coordinate
Size
Image data
Starting
coordinate
Size
Image data
Starting
coordinate
Size
Starting
coordinate
Size
Starting
coordinate
Size
Starting
coordinate
Size
Starting
coordinate
Size

FIG. 3

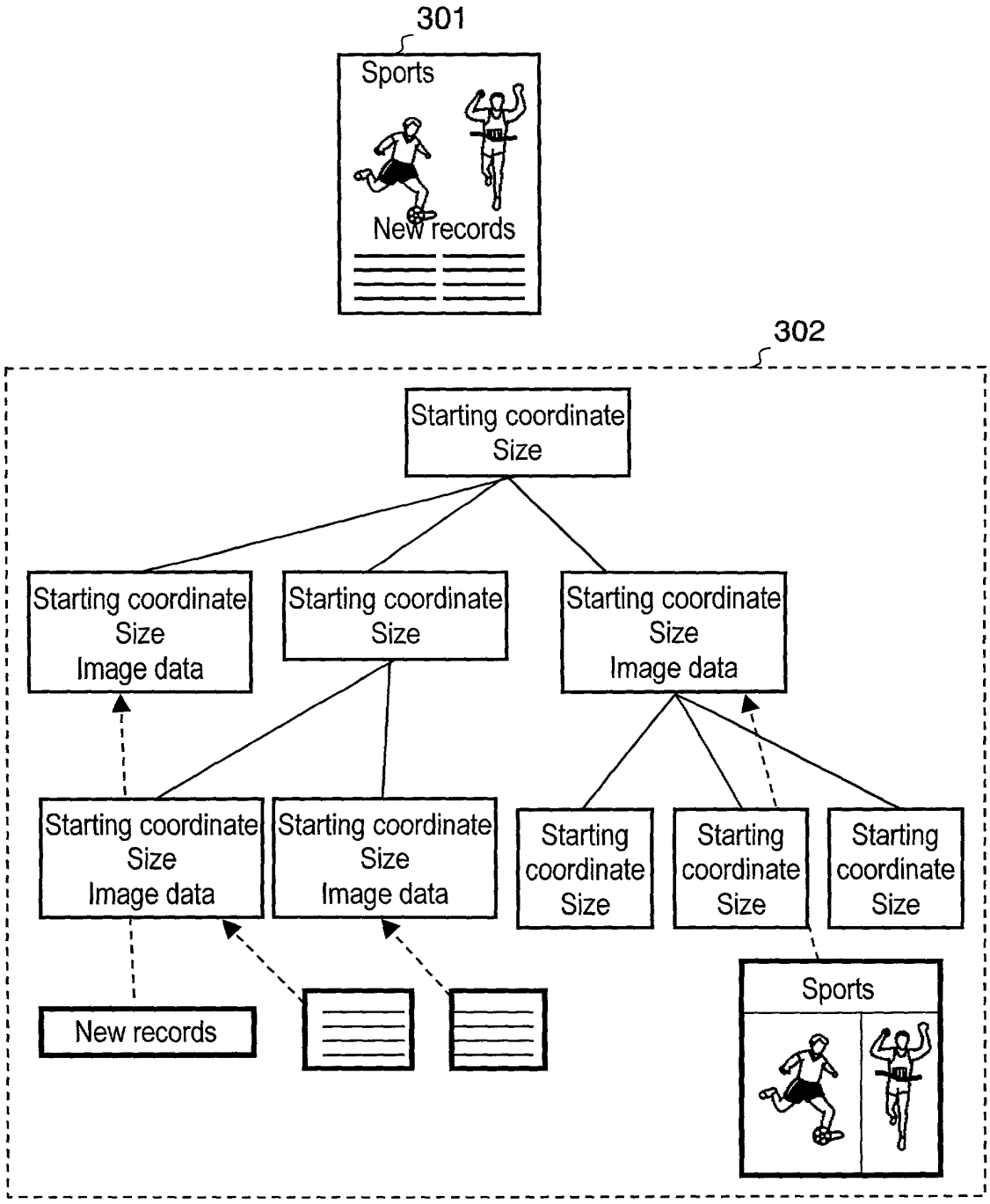

301
Sports
New records
302
Starting coordinate
Size
Starting coordinate
Size
Image data
Starting coordinate
Size
Starting coordinate
Size
Image data
Starting coordinate
Size
Image data
Starting coordinate
Size
Image data
Starting
coordinate
Size
Starting
coordinate
Size
Starting
coordinate
Size
New records
Sports

FIG. 4

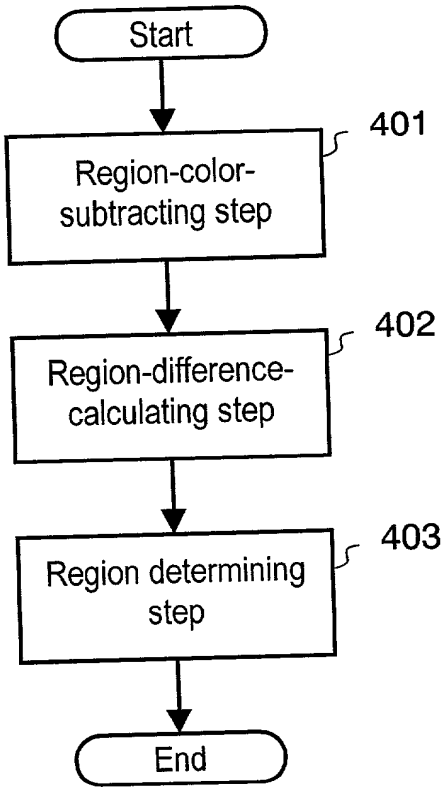

Start
Region-color-subtracting step
401
Region-difference-calculating step
402
Region determining step
403
End

FIG. 5

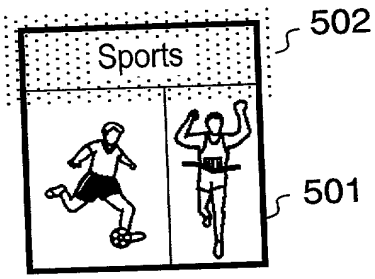


FIG. 6

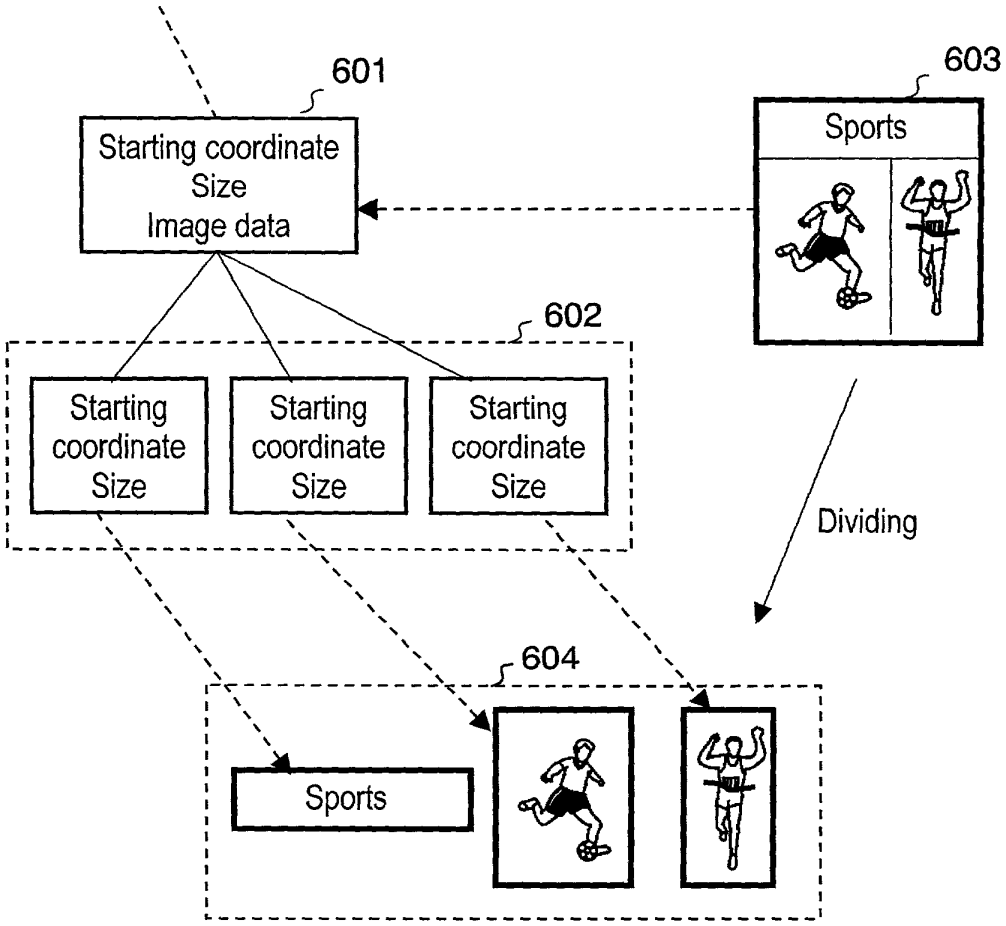

601
Starting coordinate
Size
Image data
603
Sports
602
Starting coordinate Size
Starting coordinate Size
Starting coordinate Size
Dividing
604
Sports

FIG. 7

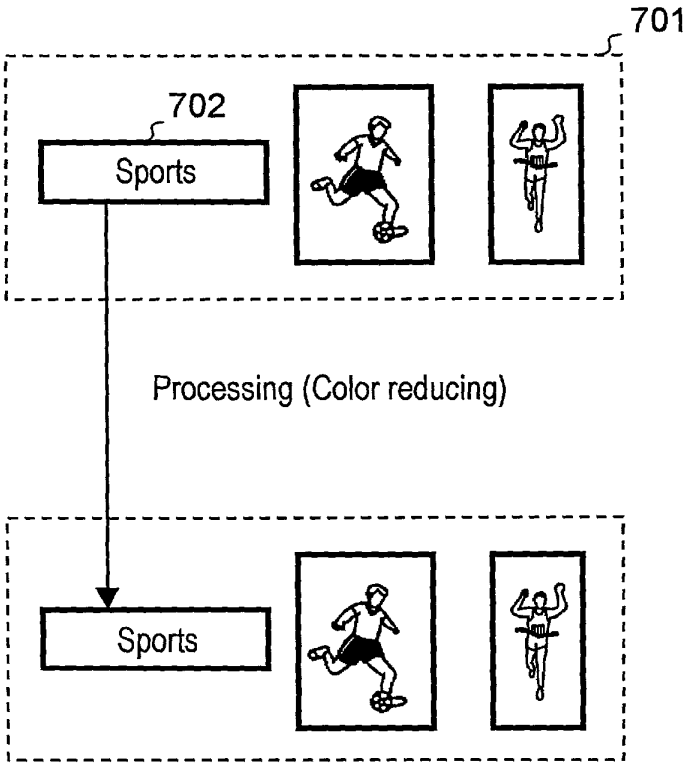


FIG. 8

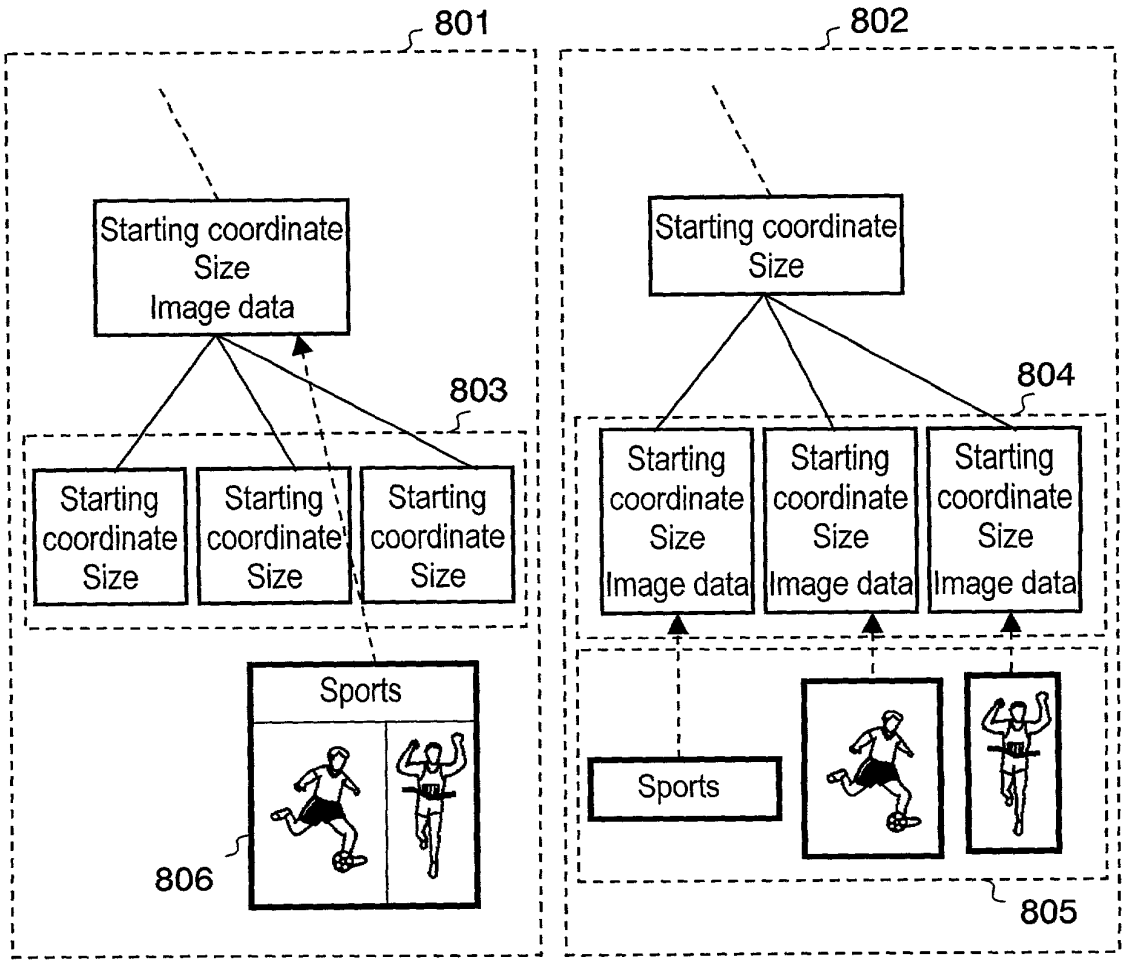

801
802
Starting coordinate
Size
Image data
803
Starting coordinate
Size
Starting coordinate
Size
Starting coordinate
Size
Sports
806
Starting coordinate
Size
804
Starting coordinate
Size
Image data
Starting coordinate
Size
Image data
Starting coordinate
Size
Image data
Sports
805

FIG. 9

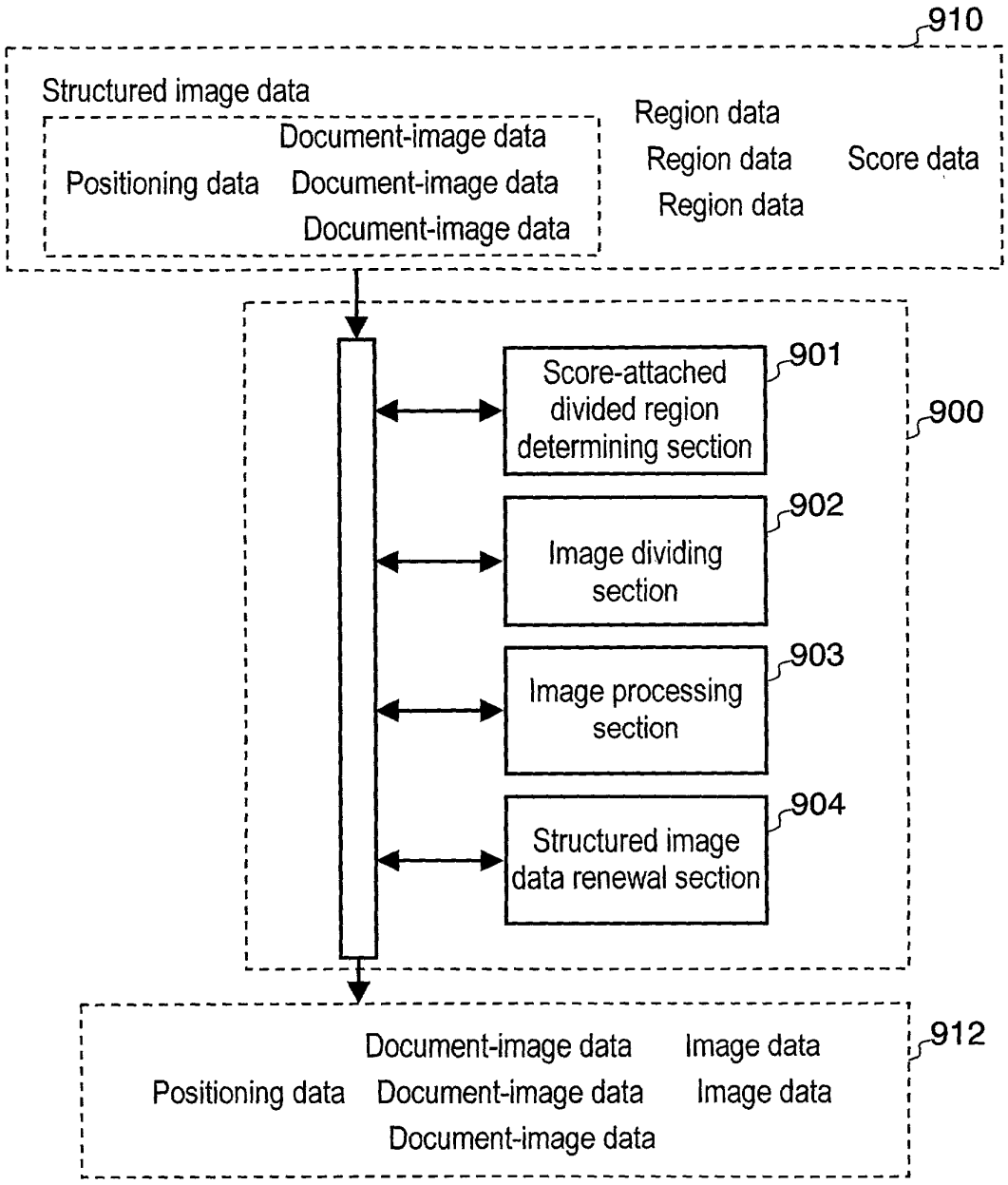

910
Structured image data
Document-image data
Positioning data
Document-image data
Document-image data
Region data
Region data
Score data
Region data
900
901
Score-attached divided region determining section
902
Image dividing section
903
Image processing section
904
Structured image data renewal section
912
Document-image data
Image data
Positioning data
Document-image data
Image data
Document-image data

FIG. 10

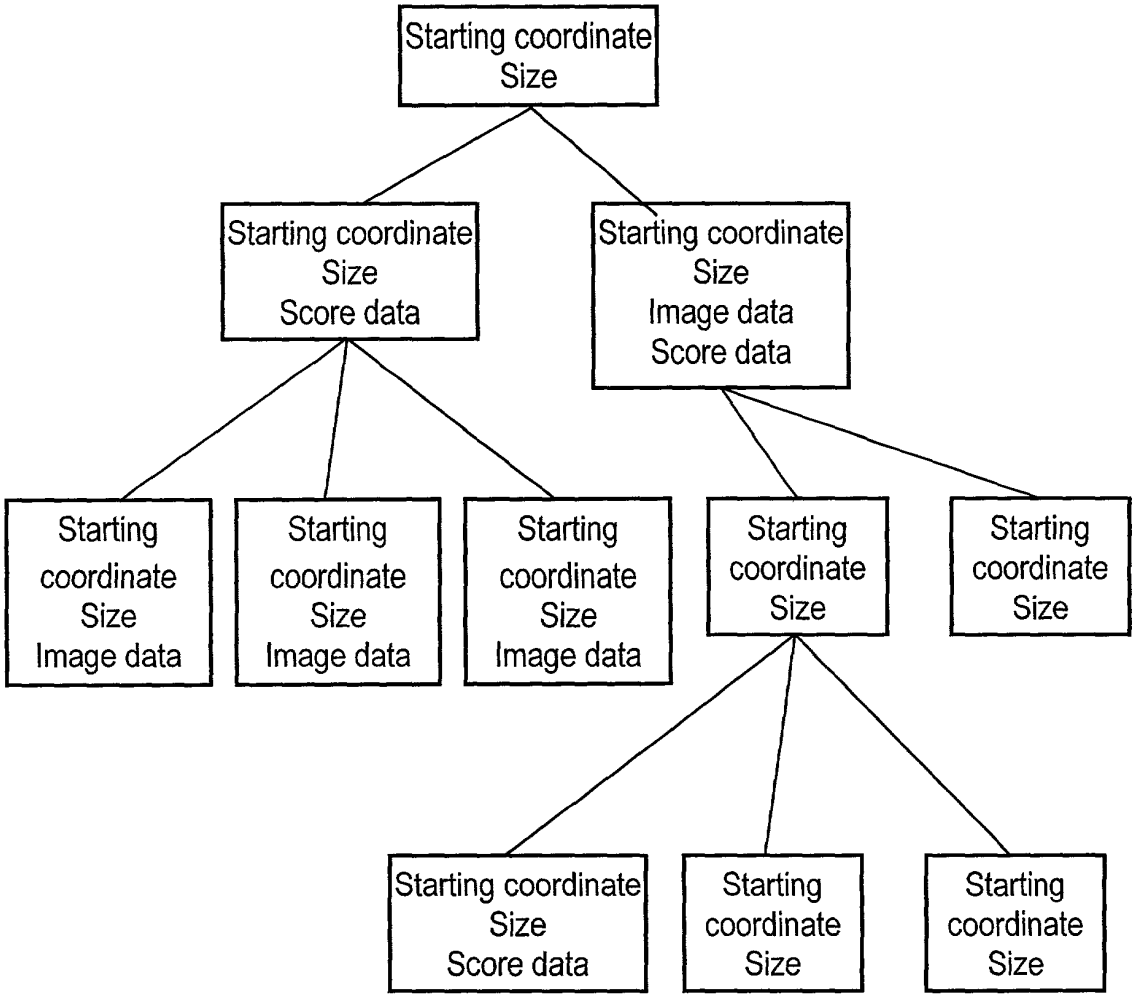

Starting coordinate
Size
Starting coordinate
Size
Score data
Starting coordinate
Size
Image data
Score data
Starting
coordinate
Size
Image data
Starting
coordinate
Size
Image data
Starting
coordinate
Size
Image data
Starting
coordinate
Size
Starting
coordinate
Size
Starting coordinate
Size
Score data
Starting
coordinate
Size
Starting
coordinate
Size

FIG. 11

Score data	
Ten's place	One's place
0 Text, black/white chart region	0 ~ 9 → Importance
1 Color chart, illustration	
2 Photograph region	

FIG. 12

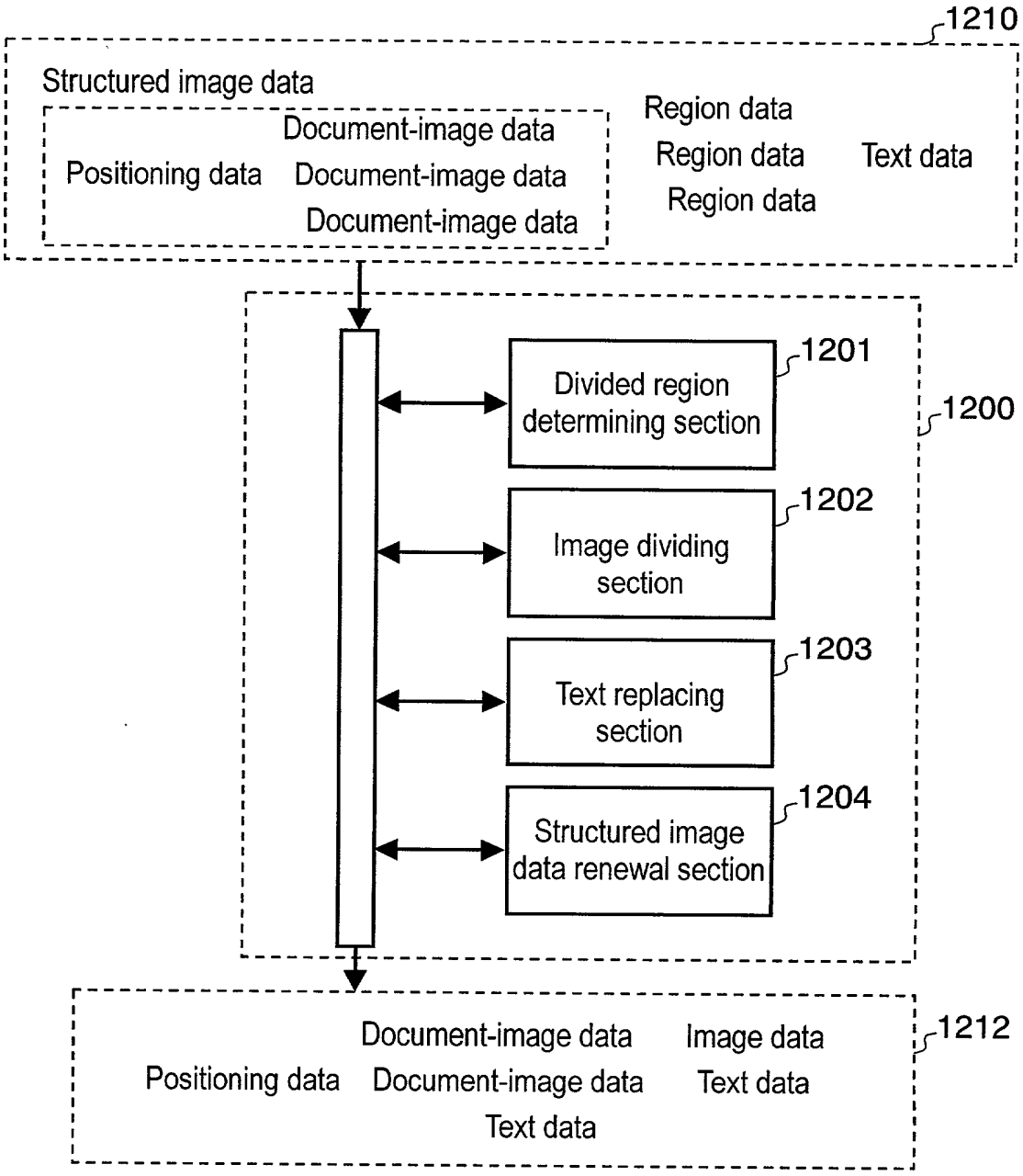

1210
Structured image data
Document-image data
Positioning data
Document-image data
Document-image data
Region data
Region data
Text data
Region data
1200
1201
Divided region determining section
1202
Image dividing section
1203
Text replacing section
1204
Structured image data renewal section
1212
Document-image data
Image data
Positioning data
Document-image data
Text data
Text data

FIG. 13

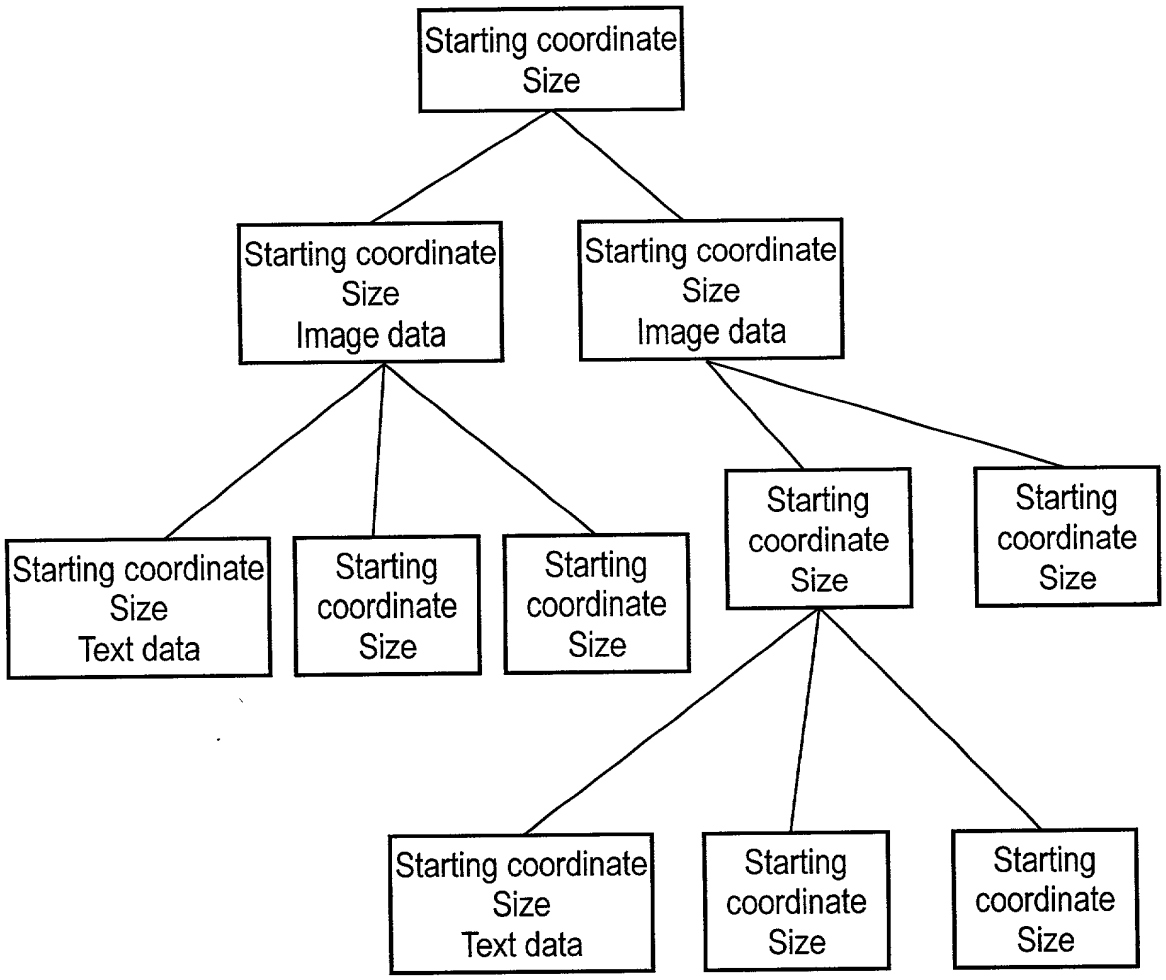

Starting coordinate
Size
Starting coordinate
Size
Image data
Starting coordinate
Size
Image data
Starting coordinate
Size
Text data
Starting
coordinate
Size
Starting
coordinate
Size
Starting
coordinate
Size
Starting
coordinate
Size
Starting coordinate
Size
Text data
Starting
coordinate
Size
Starting
coordinate
Size

FIG. 14

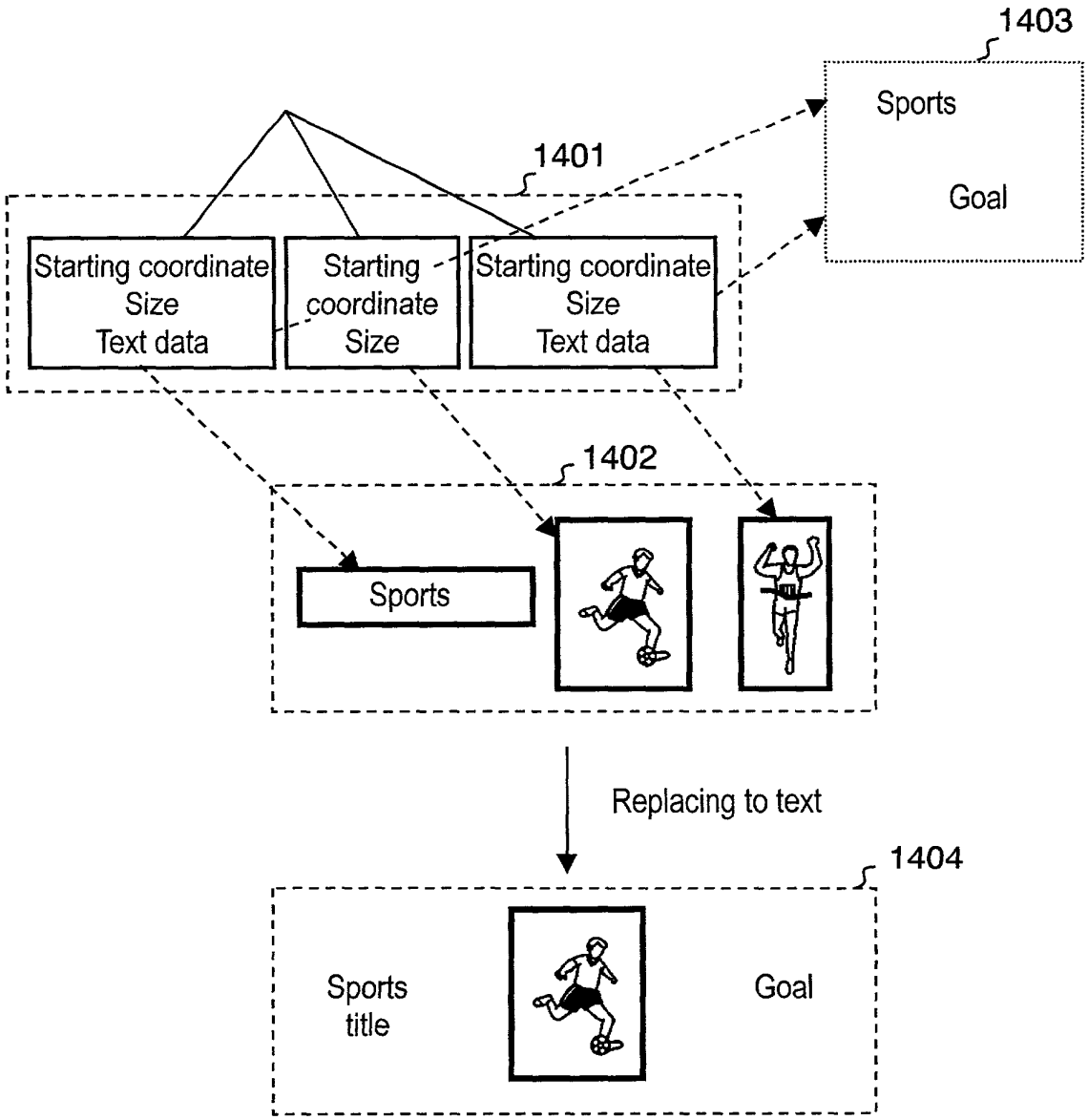

1403
Sports
Goal
1401
Starting coordinate
Size
Text data
Starting
coordinate
Size
Starting coordinate
Size
Text data
1402
Sports
Replacing to text
1404
Sports
title
Goal

FIG. 15

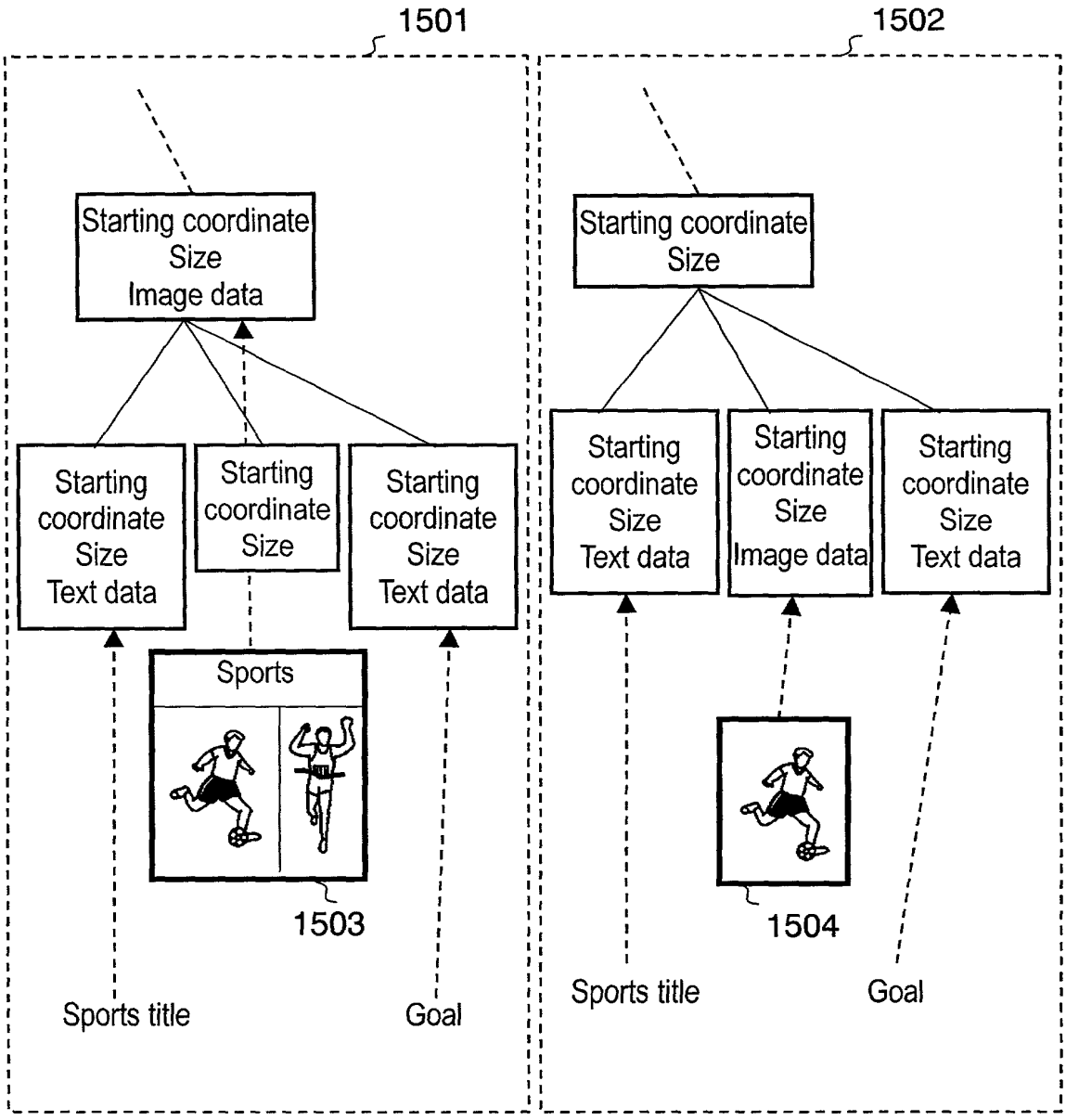

1501
1502
Starting coordinate
Size
Image data
Starting coordinate
Size
Starting coordinate
Size
Text data
Starting coordinate
Size
Starting coordinate
Size
Text data
Sports
1503
Sports title
Goal
Starting coordinate
Size
Starting coordinate
Size
Text data
Starting coordinate
Size
Image data
Starting coordinate
Size
Text data
1504
Sports title
Goal

FIG. 16

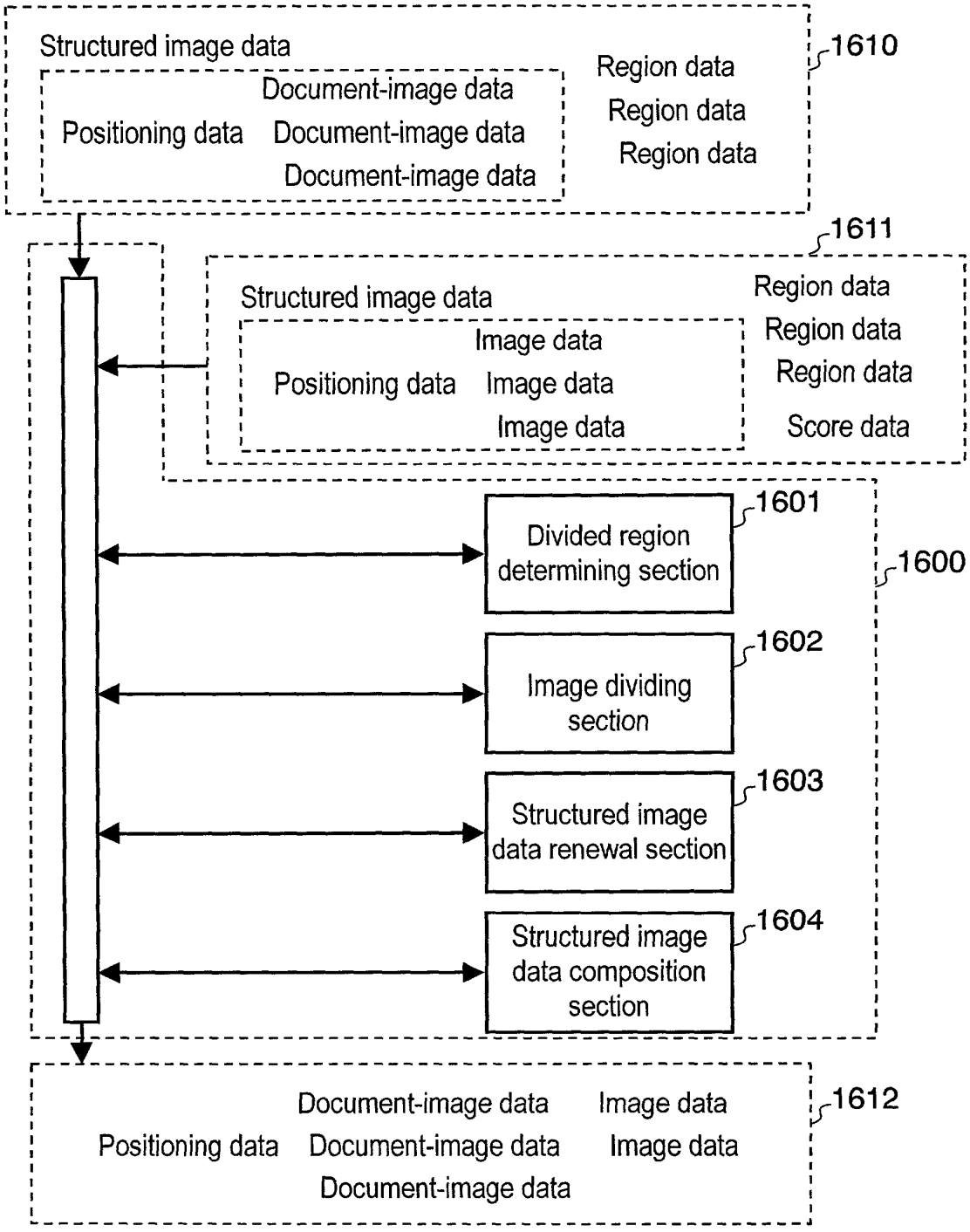

Structured image data
Region data
Region data
Region data
Document-image data
Positioning data
Document-image data
Document-image data
1610
1611
Structured image data
Region data
Region data
Region data
Image data
Positioning data
Image data
Image data
Score data
1601
Divided region determining section
1600
1602
Image dividing section
1603
Structured image data renewal section
1604
Structured image data composition section
1612
Document-image data
Image data
Positioning data
Document-image data
Image data
Document-image data

FIG. 17

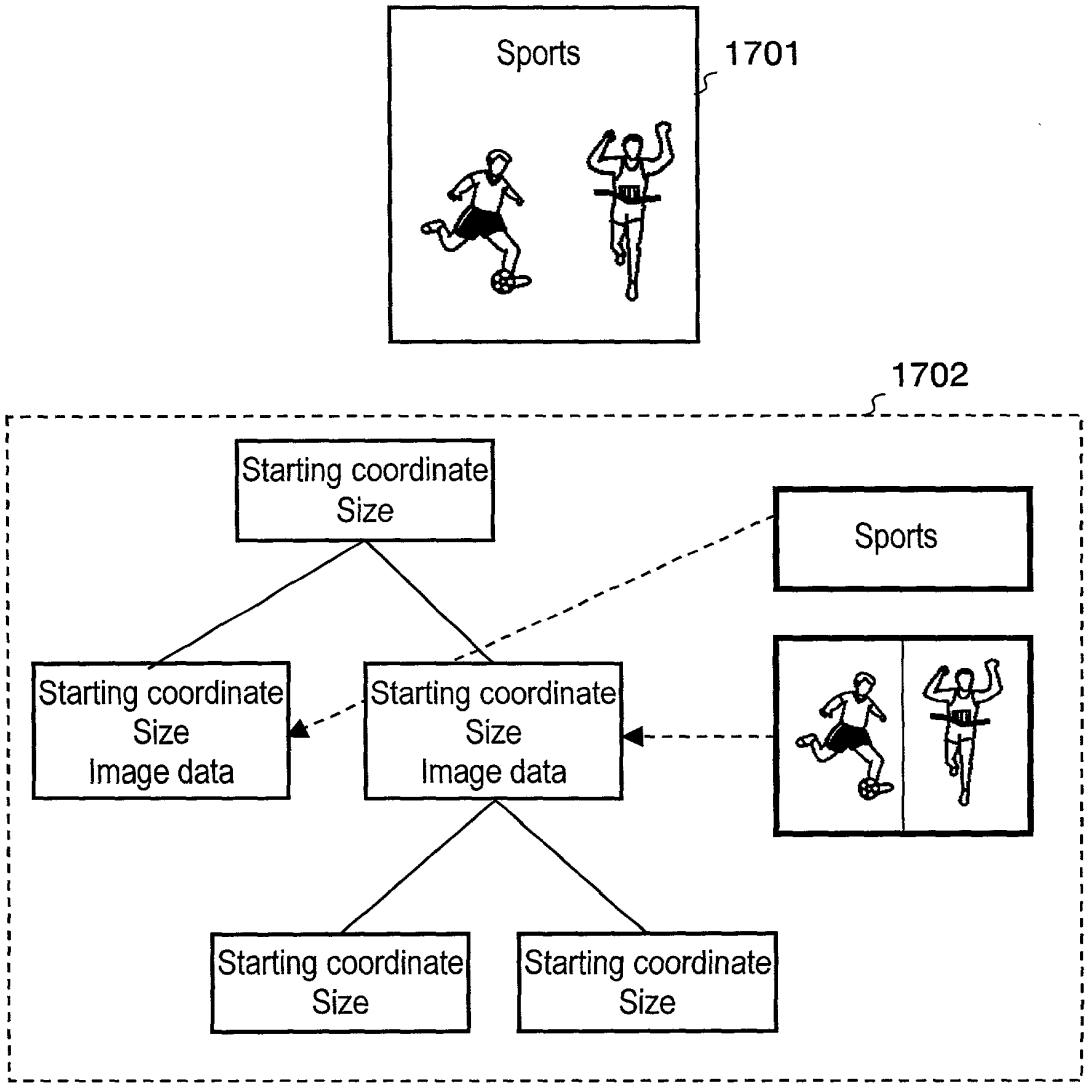

Sports
1701
1702
Starting coordinate
Size
Sports
Starting coordinate
Size
Image data
Starting coordinate
Size
Image data
Starting coordinate
Size
Starting coordinate
Size

FIG. 18

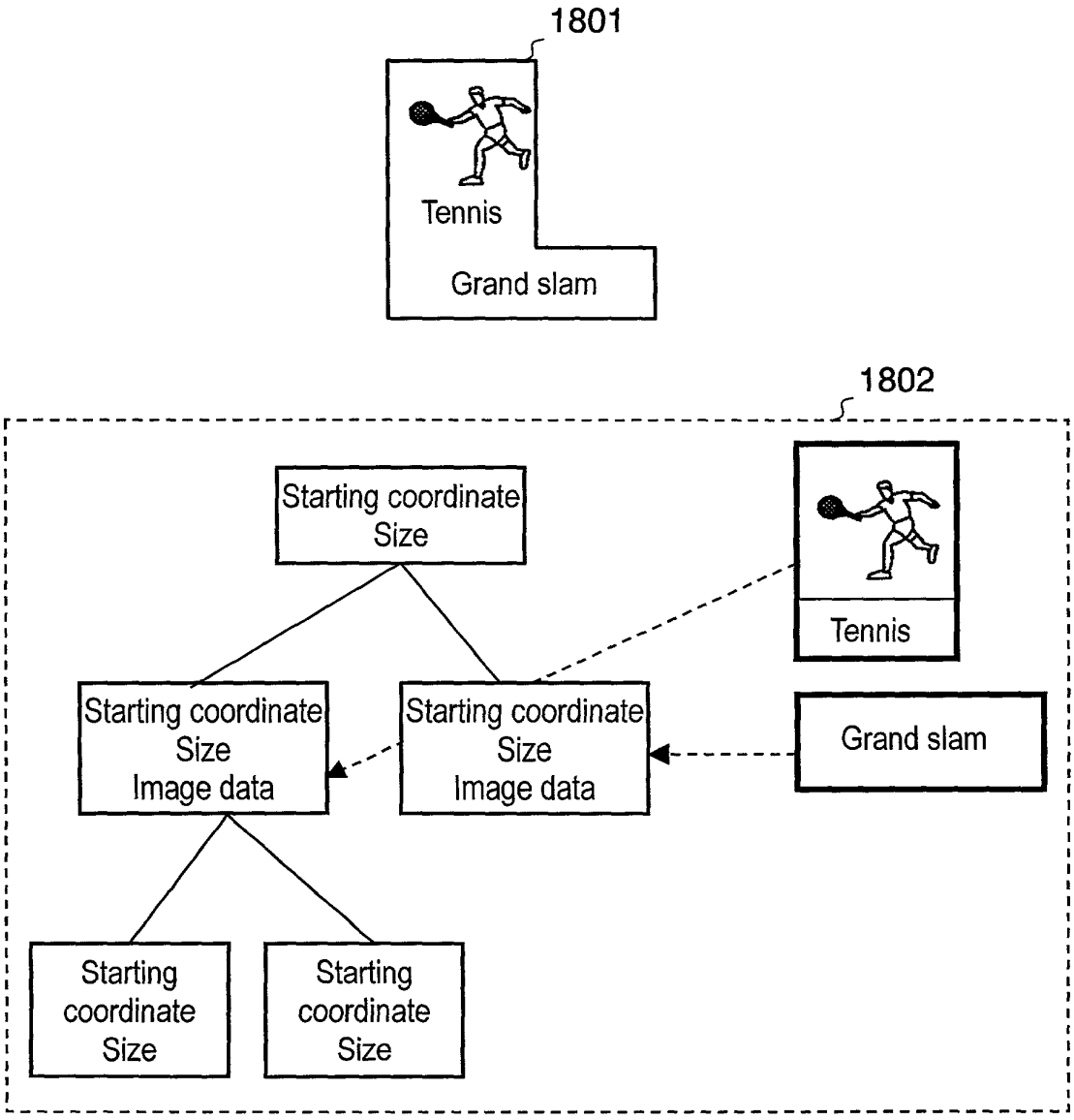

1801
Tennis
Grand slam
1802
Starting coordinate
Size
Tennis
Starting coordinate
Size
Image data
Starting coordinate
Size
Image data
Grand slam
Starting
coordinate
Size
Starting
coordinate
Size

FIG. 19

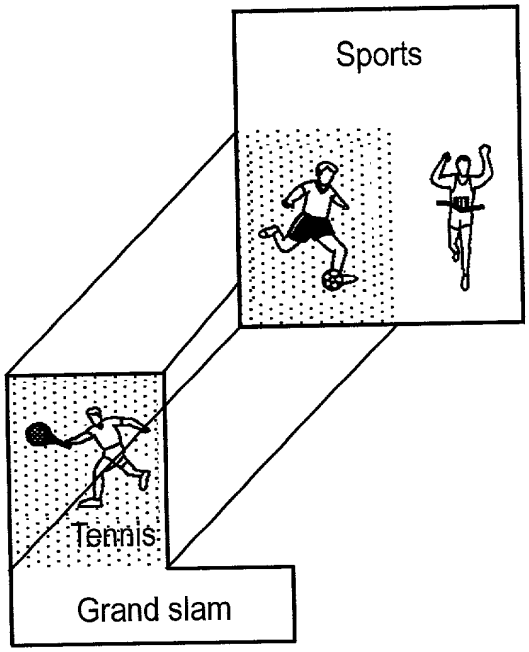


FIG. 20

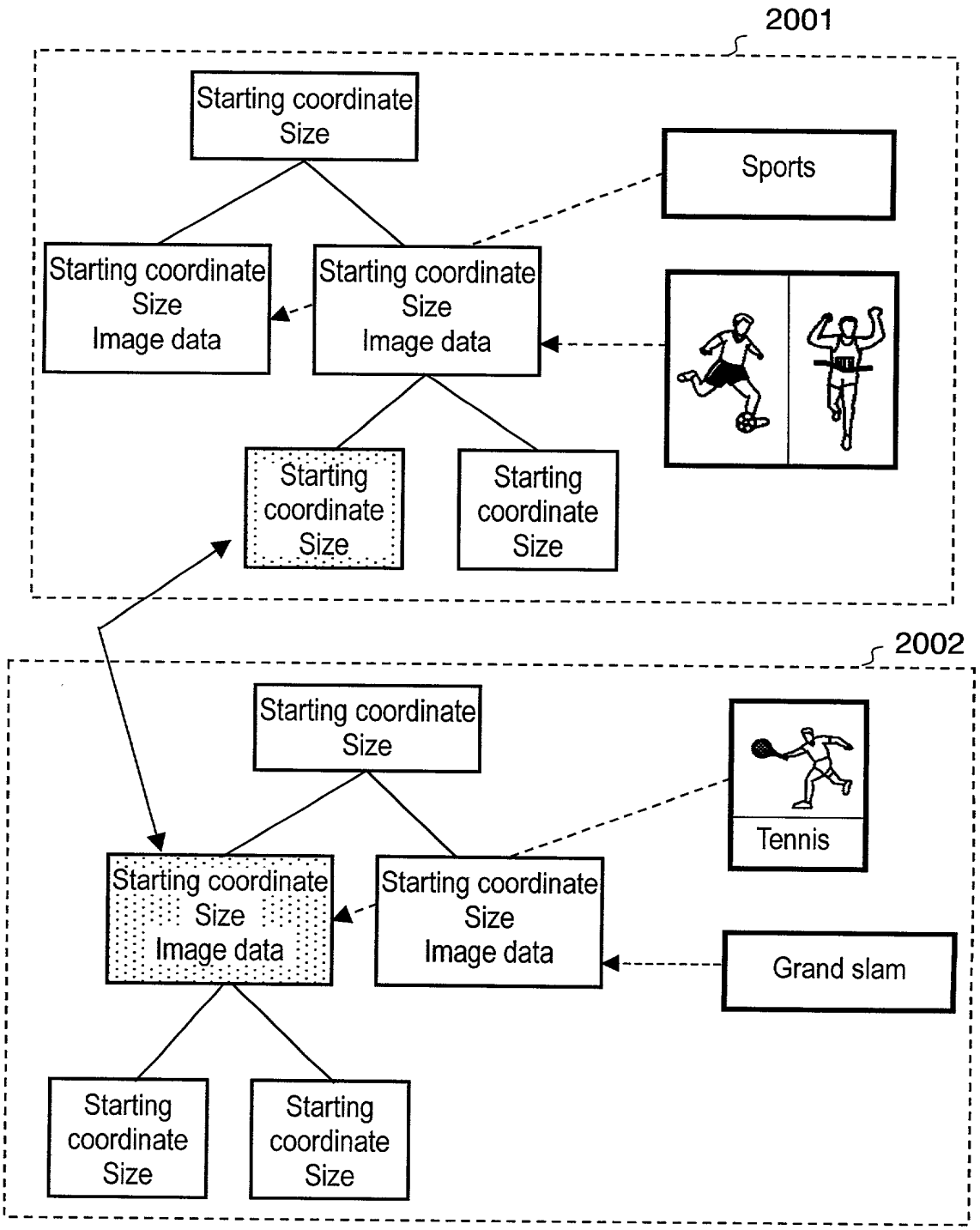

2001
Starting coordinate Size
Sports
Starting coordinate Size Image data
Starting coordinate Size Image data
Starting coordinate Size
Starting coordinate Size
2002
Starting coordinate Size
Tennis
Starting coordinate Size Image data
Starting coordinate Size Image data
Grand slam
Starting coordinate Size
Starting coordinate Size

FIG. 21

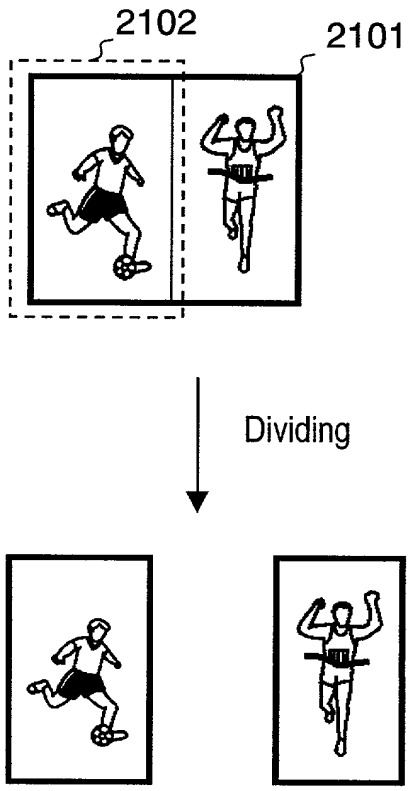


FIG. 22

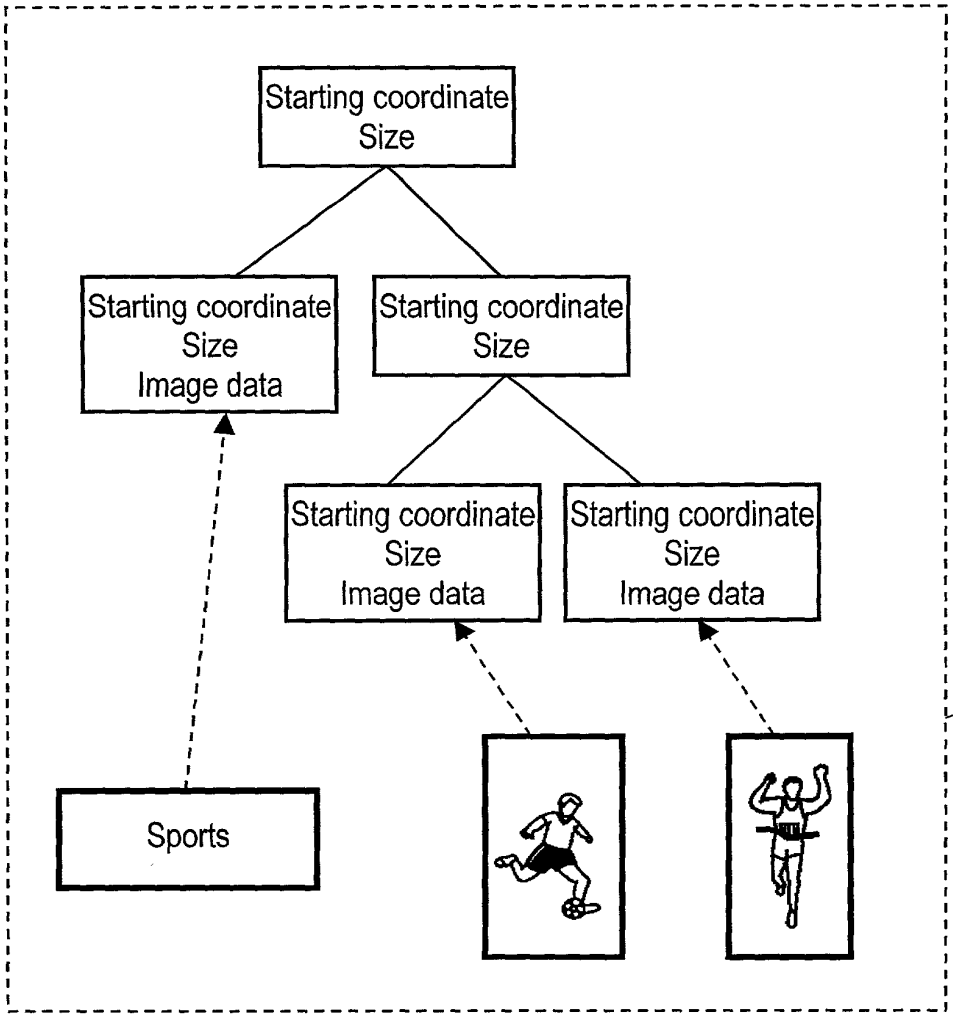

Starting coordinate
Size
Starting coordinate
Size
Image data
Starting coordinate
Size
Starting coordinate
Size
Image data
Starting coordinate
Size
Image data
Sports
2201

FIG. 23

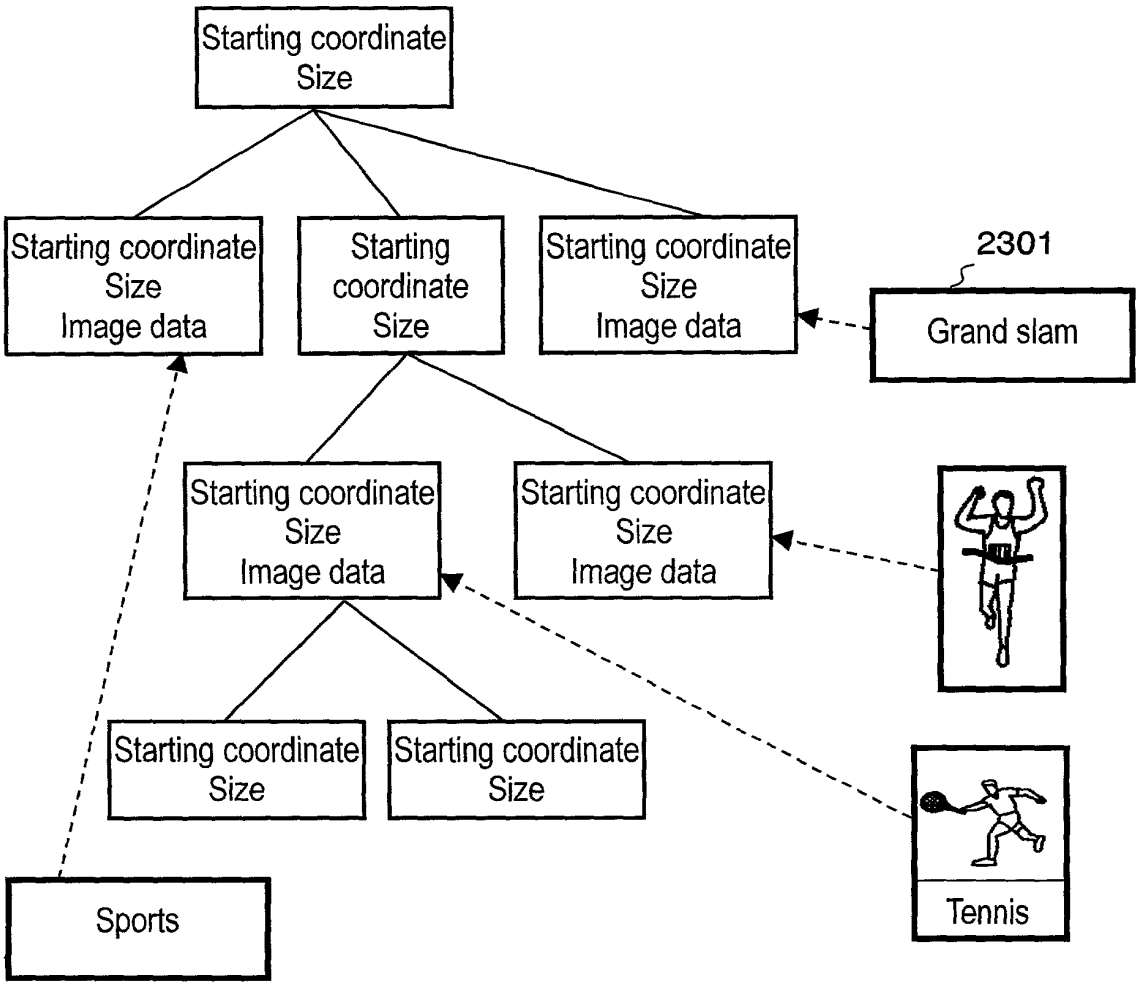

Starting coordinate
Size
Starting coordinate
Size
Image data
Starting
coordinate
Size
Starting coordinate
Size
Image data
2301
Grand slam
Starting coordinate
Size
Image data
Starting coordinate
Size
Image data
Starting coordinate
Size
Starting coordinate
Size
Sports
Tennis

FIG. 24

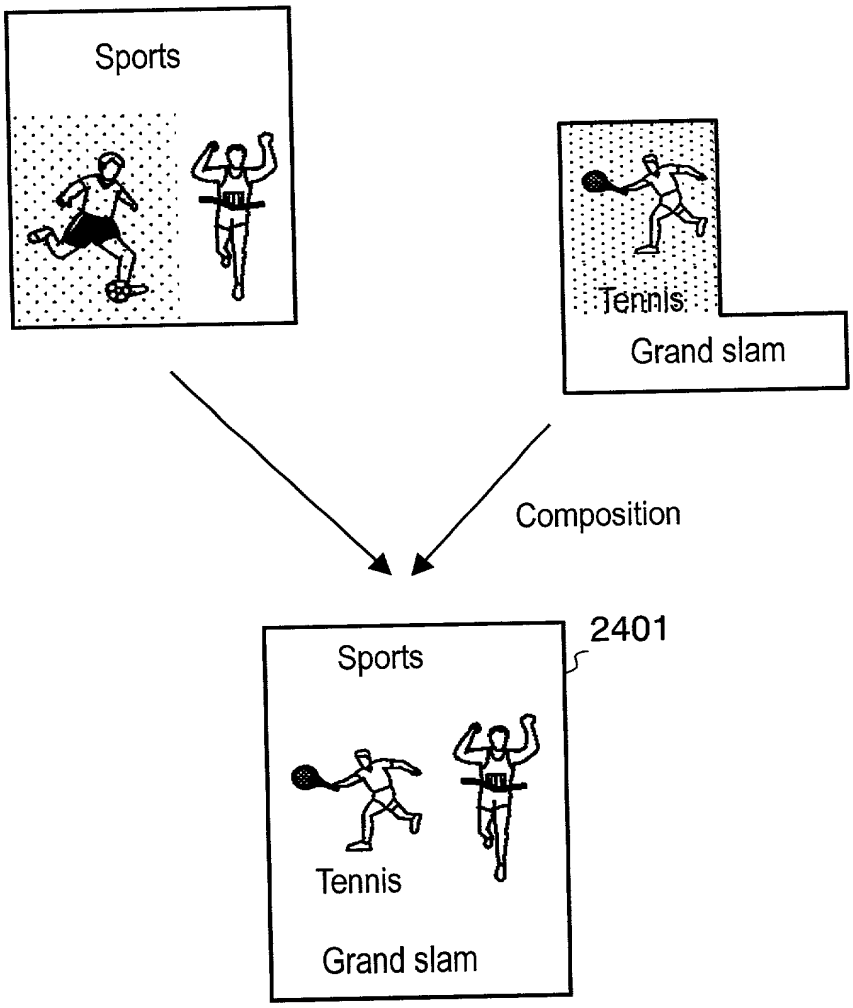

Sports
Tennis
Grand slam
Composition
2401
Sports
Tennis
Grand slam

FIG. 25

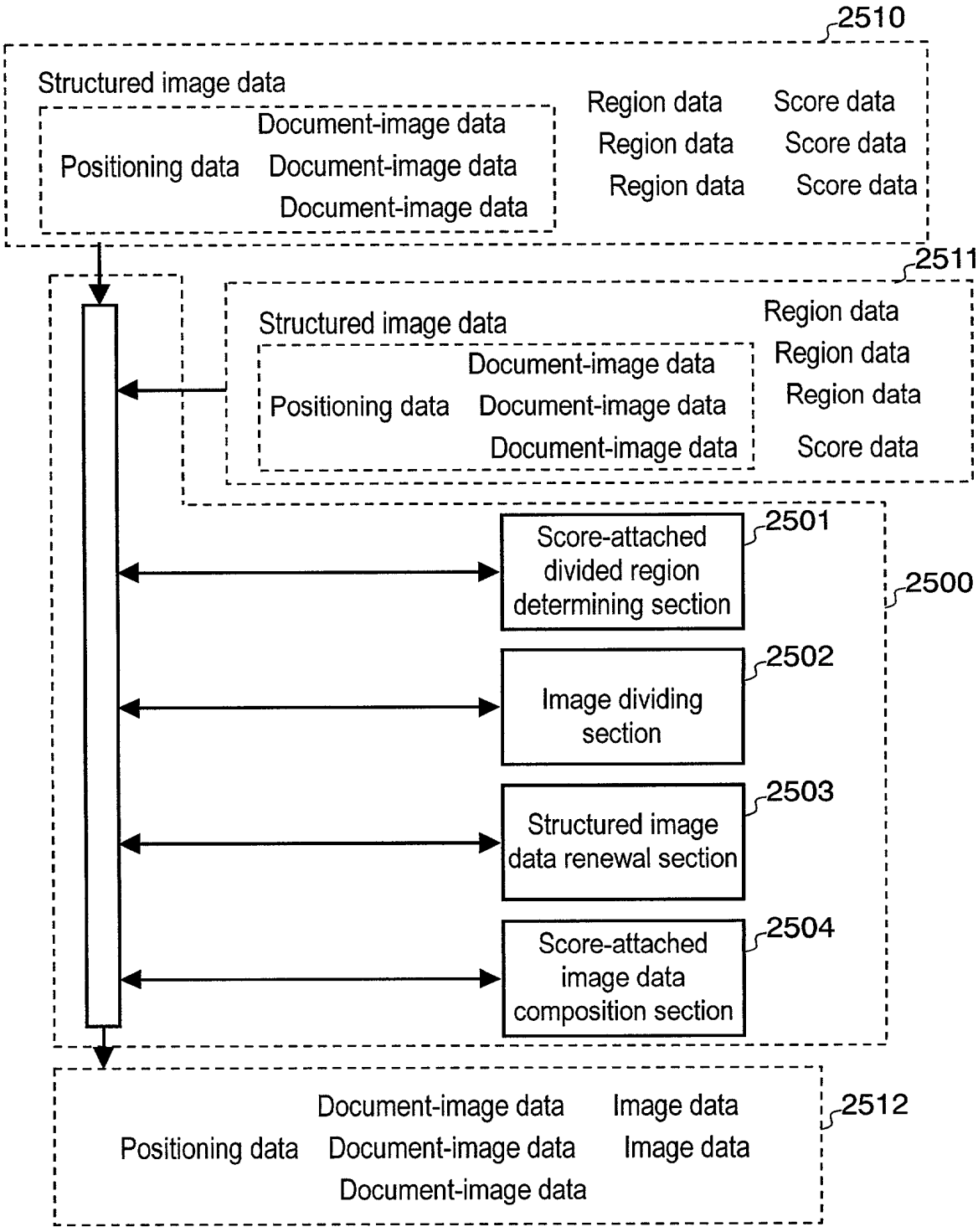

2510
Structured image data
Positioning data
Document-image data
Document-image data
Document-image data
Region data
Score data
Region data
Score data
Region data
Score data
2511
Structured image data
Positioning data
Document-image data
Document-image data
Document-image data
Region data
Region data
Region data
Score data
2500
Score-attached divided region determining section
2501
Image dividing section
2502
Structured image data renewal section
2503
Score-attached image data composition section
2504
2512
Positioning data
Document-image data
Document-image data
Document-image data
Image data
Image data

FIG. 26

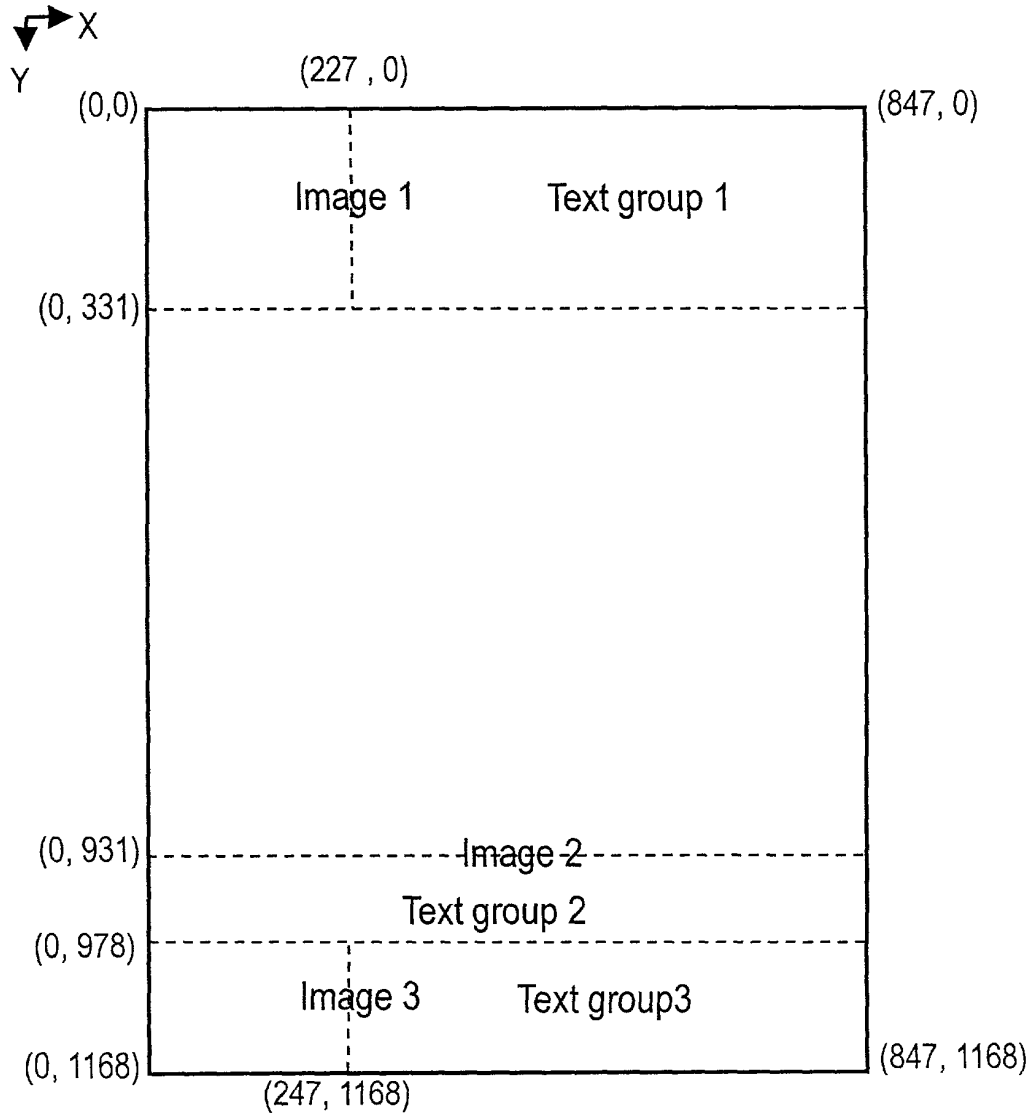

X
Y
(227 , 0)
(0,0)
(847, 0)
Image 1
Text group 1
(0, 331)
(0, 931)
Image 2
Text group 2
(0, 978)
Image 3
Text group3
(0, 1168)
(847, 1168)
(247, 1168)

FIG. 27

```
<PartitionedImage Width="847" Height="1168">
<Region  SourceX="0" SourceY="0"  Width="847" Height="331">
                <Image>wash01_01.gif</Image>
                <Region SourceX="0" SourceY="0"  Width="227" Height="331">
                </Region>
                <Region SourceX="227" SourceY="0"  Width="620" Height="331">
                </Region>
</Region>
<Region SourceX="0" SourceY="331"  Width="847" Height="647">
                <Image>wash01_02.gif</Image>
                <Region SourceX="0" SourceY="0"  Width="847" Height="600">
                </Region>
                <Region SourceX="0" SourceY="600"  Width="847" Height="47">
                </Region>
</Region>
<Region   SourceX="0" SourceY="978"  Width="847" Height="190">
                <Image>wash01_03.gif</Image>
                <Region SourceX="0" SourceY="0"  Width="847" Height="190">
                </Region>
</Region>
</PartitionedImage>
```

FIG. 28

```
<PartitionedImage Width="847" Height="1168">
<Region   SourceX="0" SourceY="0"   Width="847" Height="331" Score="9">
        <Image>Wash01_01.gif</Image>
        <Region SourceX="0" SourceY="0"   Width="227" Height="331">
        </Region>
        <Region SourceX="227" SourceY="0"   Width="620" Height="331">
        </Region>
</Region>
<Region SourceX="0" SourceY="331"   Width="847" Height="647 Score="1">
        <Image>wash01_02.gif</Image>
        <Region SourceX="0" SourceY="0"   Width="847" Height="600">
        </Region>
        <Region SourceX="0" SourceY="600"   Width="847" Height="47">
        </Region>
</Region>
<Region   SourceX="0" SourceY="978"   Width="847" Height="190" Score="5">
        <Image>wash01_03.gif</Image>
        <Region SourceX="0" SourceY="0"   Width="847" Height="190">
        </Region>
</Region>
</PartitionedImage>
```

FIG. 29

```
<PartitionedImage Width="847" Height="1168">
<Region  SourceX="0" SourceY ="0"  Width="847" Height="331">
        <Image>wash01_01.gif</Image>
        <Region SourceX ="0"SourceY ="0"  Width="227" Height="331"></Region>
        <Region SourceX = "227 SourceY ="0"  Width="620" Height="331">
                <Text>
                        Text group 1
                </Text>
        </Region>
</Region>
<Region SourceX ="0"SourceY ="331"  Width="847" Height="647">
        <Image>wash01_02.gif</Image>
        <Region SourceX="0" SourceY="0"  Width="847" Height="600">
        </Region>
        <Region SourceX="0" SourceY ="600" Width="847" Height="47">
        </Region>
                <Text>
                        Text group 2
                </Text>
        </Region>
</Region>
<Region  SourceX="0" SourceY="978"  Width="847" Height="190">
        <Image>wash01_03.gif</Image>
        <Region SourceX ="0"SourceY ="0"  Width="247" Height="190"></Region>
        <Region SourceX ="247"SourceY= "0"  Width="600" Height="190">
                <Text>
                        Text group 3
                </Text>
        </Region>
</Region>
</PartitionedImage>
```

FIG. 30

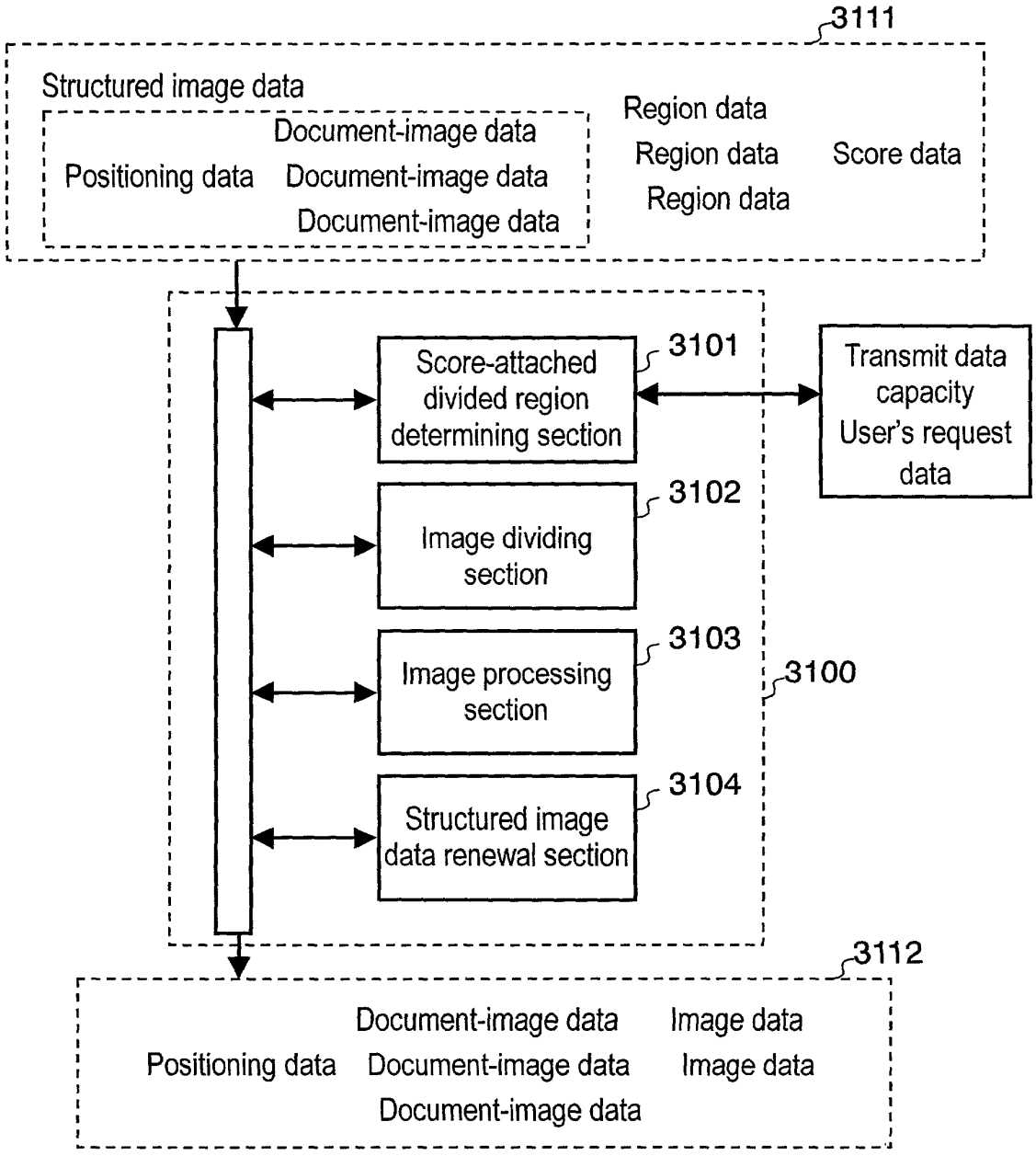
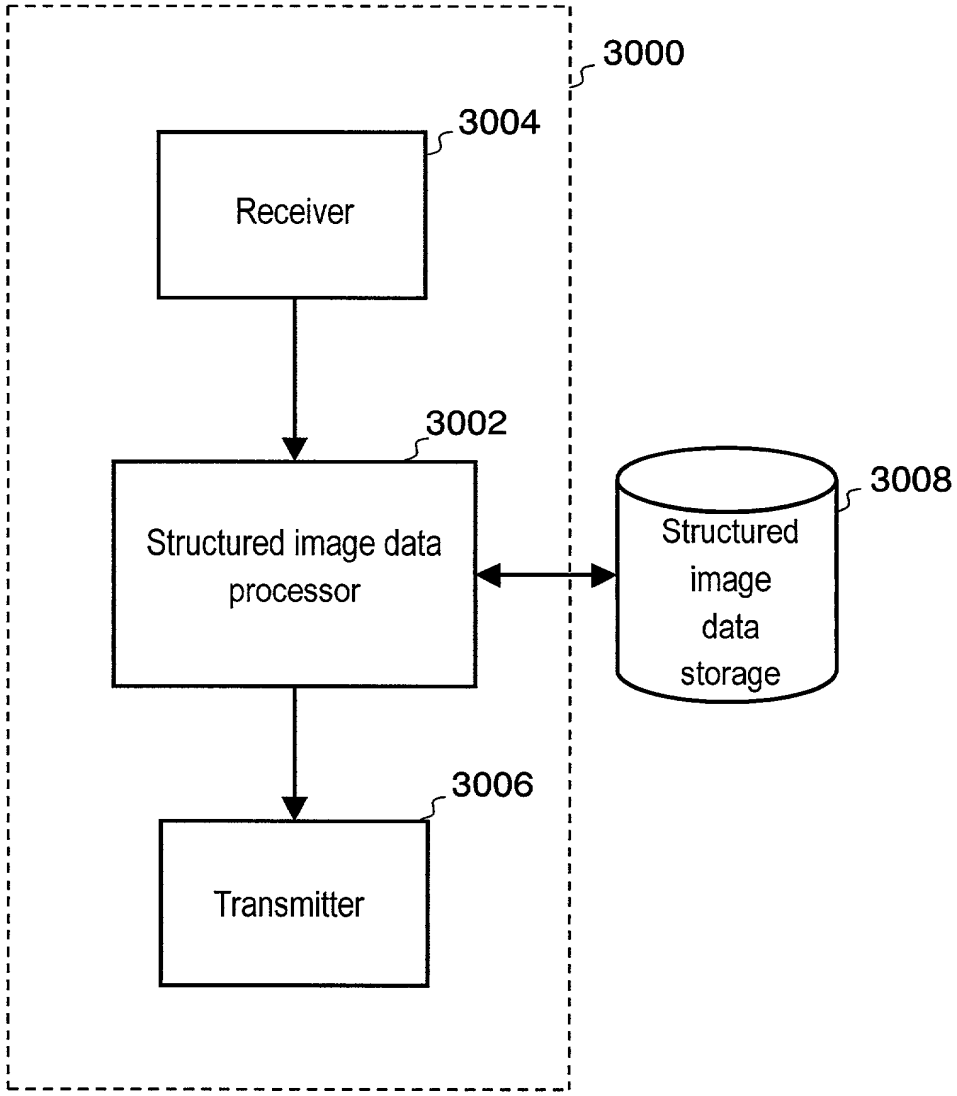

3111
Structured image data
Positioning data
Document-image data
Document-image data
Document-image data
Region data
Region data
Region data
Score data
3101
Score-attached divided region determining section
3102
Image dividing section
3103
Image processing section
3104
Structured image data renewal section
3100
Transmit data capacity User's request data
3112
Positioning data
Document-image data
Document-image data
Document-image data
Image data
Image data

FIG. 31


3000
3004
Receiver
3002
Structured image data processor
3008
Structured image data storage
3006
Transmitter

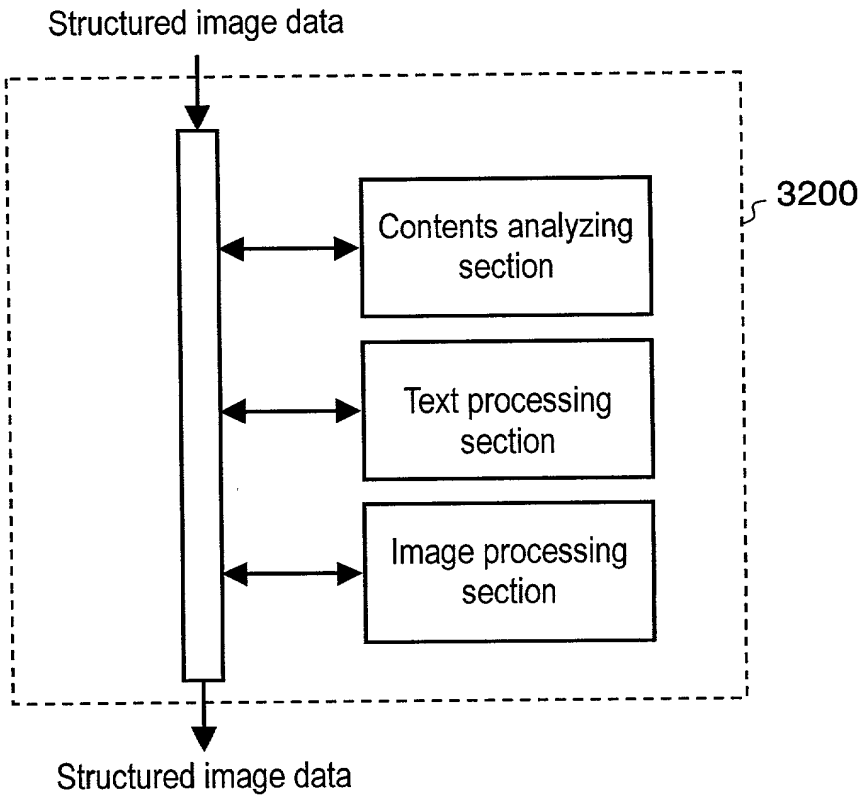



FIG. 32 PRIOR ART